

What is Claimed is:

1            1. A stabilized window structure comprising  
2            a window frame;  
3            a shattered window pane disposed in said window frame and having an exterior  
4            surface and an interior surface exposed by said window frame; and  
5            a layer of unifying material bonded to at least one of said exterior surface or said  
6            interior surface, said layer of unifying material and said window pane bonded thereto  
7            forming an integral, cohesive mass removable from said window frame as one or more  
8            integral and unitary pieces.

1            2. A stabilized window structure as recited in claim 1 wherein said window  
2            pane is planar.

1            3. A stabilized window structure as recited in claim 1 wherein said window pane  
2            is non-planar.

1            4. A stabilized window structure as recited in claim 1 wherein said window  
2            frame is disposed in a building.

1            5. A stabilized window structure as recited in claim 1 wherein said window  
2            frame is disposed in a vehicle.

1 6. A stabilized window structure as recited in claim 1 wherein said unifying  
2 material is a polymeric material.

1 7. A stabilized window structure as recited in claim 6 wherein said polymeric  
2 material is a polymeric foam.

1 8. A stabilized window structure as recited in claim 7 wherein said polymeric  
2 foam includes a polyurethane.

1 9. A stabilized window structure as recited in claim 7 wherein said polymeric  
2 foam includes a polyethylene.

1 10. A stabilized window structure as recited in claim 7 wherein said polymeric  
2 foam includes a polystyrene.

1 11. A stabilized window structure as recited in claim 6 wherein said polymeric  
2 material is a polymeric film.

1 12. A stabilized window structure as recited in claim 11 wherein said polymeric  
2 film includes a polyvinyl.

1 13. A stabilized window structure as recited in claim 11 wherein said polymeric  
2 film includes a latex.

1 14. A stabilized window structure as recited in claim 11 wherein said polymeric  
2 film includes a polyurethane.

1 15. A stabilized window structure as recited in claim 11 wherein said polymeric  
2 film includes an acrylate.

1 16. A stabilized window structure as recited in claim 11 wherein said polymeric  
2 film includes a cellophane.

1 17. A stabilized window structure as recited in claim 1 wherein said unifying  
2 material is a cellulosic material.

1 18. A stabilized window structure as recited in claim 1 wherein said layer of  
2 unifying material is applied to said window pane in fluidic form and cures to form said  
3 cohesive mass.

1 19. A stabilized window structure as recited in claim 18 wherein said window  
2 pane includes a crack therein and said unifying material seeps into said crack when  
3 said unifying material is applied in fluidic form and forms a structural bond at said crack  
4 when said unifying material cures.

1           20. A stabilized window structure as recited in claim 1 and further including at  
2           least one grasping member secured to said cohesive mass.

1           21. A stabilized window structure as recited in claim 20 wherein said at least  
2           one grasping member includes a handle bonded to said layer of unifying material.

1           22. A stabilized window structure as recited in claim 1 wherein said layer of  
2           unifying material is disposed over substantially the entirety of said at least one of said  
3           exterior surface or said interior surface.

1           23. A stabilized window structure as recited in claim 1 wherein said layer of  
2           unifying material includes a plurality of individual sub-layers arranged one on top of  
3           the other.

1           24. A stabilized window structure as recited in claim 1 wherein said layer of  
2           unifying material includes a first layer of unifying material bonded to said exterior  
3           surface and further including a second layer of unifying material bonded to said interior  
4           surface, said first and second layers of unifying material and said window pane bonded  
5           thereto forming said cohesive mass.

1           25. A stabilized window structure comprising  
2           a window frame;

1 a window pane disposed in said window frame and having a hole therein and an  
2 exterior surface and an interior surface exposed by said window frame;  
3 a first layer of unifying material adhered to at least one of said exterior surface  
4 or said interior surface around said hole;  
5 a patch covering said hole and being adhered to said first layer of unifying  
6 material; and  
7 a second layer of unifying material applied over said patch and forming a  
8 cohesive mass with said patch, said first layer of unifying material and said window  
9 pane.

1 26. A stabilized window structure as recited in claim 25 wherein said patch has  
2 a periphery and said second layer of unifying material covers at least said periphery of  
3 said patch.

1 27. A stabilized window structure as recited in claim 26 wherein said patch has  
2 a surface area and said second layer of unifying material covers said surface area in  
3 its entirety.

1 28. A method of stabilizing and removing a shattered window pane from a  
2 window frame, said method comprising the steps of  
3 applying a layer of unifying material to at least one of an exterior surface or an  
4 interior surface of the shattered window pane;

5 bonding the layer of unifying material to the window pane to form a cohesive  
6 mass including the window pane and the layer of unifying material; and  
7 removing the cohesive mass from the window frame as one or more integral and  
8 unitary pieces.

1 29. A method of stabilizing and removing a shattered window pane as recited  
2 in claim 28 wherein said step of applying includes spraying the unifying material in  
3 fluidic form onto the at least one of the exterior surface or the interior surface of the  
4 window pane and said step of bonding includes allowing the unifying material to dry.

1 30. A method of stabilizing and removing a shattered window pane as recited  
2 in claim 28 wherein said step of applying includes applying a polymeric foam material  
3 to the window pane.

1 31. A method of stabilizing and removing a shattered window pane as recited  
2 in claim 28 wherein said step of applying includes applying a polymeric film material to  
3 the window pane.

1 32. A method of stabilizing and removing a shattered window pane as recited  
2 in claim 28 wherein said step of applying includes applying a cellulosic material to the  
3 window pane.

1           33. A method of stabilizing and removing a shattered window pane as recited  
2 in claim 28 wherein said step of applying includes applying the layer of unifying  
3 material as a plurality of sub-layers sequentially applied one on top of the other.

1           34. A method of stabilizing and removing a shattered window pane as recited  
2 in claim 28 wherein said step of applying includes applying a first layer of unifying  
3 material to the exterior surface of the window pane and further including, prior to said  
4 step of removing, the steps of applying a second layer of unifying material to the interior  
5 surface of the window pane and bonding the second layer of unifying material to the  
6 window pane to form the cohesive mass including the window pane and the first and  
7 second layers of unifying material.

1           35. A method of stabilizing and removing a shattered window pane as recited  
2 in claim 28 wherein said step of applying includes applying the layer of unifying  
3 material to substantially the entirety of the at least one of the exterior surface or the  
4 interior surface.

1           36. A method of stabilizing and removing a shattered window pane as recited  
2 in claim 28 and further including, prior to said step of removing, the step of attaching  
3 at least one grasping member to the cohesive mass.

1           37. A method of stabilizing and removing a shattered window pane as recited  
2 in claim 36 wherein said step of applying includes applying the unifying material in

fluidic form, said step of bonding includes allowing the unifying material to cure and said step of attaching includes inserting a portion of the at least one grasping member into the unifying material prior to curing thereof such that the portion of the at least one grasping member is bonded to the unifying material when the unifying material has cured.

38. A method of stabilizing and removing a shattered window pane as recited in claim 36 wherein said step of removing includes manually pulling the cohesive mass away from the window frame via the at least one grasping member.

39. A method of stabilizing and removing a shattered window pane as recited in claim 28 wherein said step of removing includes removing the cohesive mass as a single piece.

40. A method of stabilizing a window pane having a hole therein, said method comprising the steps of

applying a first layer of unifying material to at least one of an exterior surface or an interior surface of the window pane around the hole;

positioning a patch over the at least one of the exterior surface or the interior surface of the window pane such that the patch covers the hole and contacts the first layer of unifying material;

bonding the first layer of unifying material to the window pane and the patch;



9           applying a second layer of unifying material over at least the periphery of the  
10 patch; and  
11           bonding the second layer of unifying material to the patch such that the hole is  
12 closed off and sealed.

1           41.    A method of stabilizing a window pane as recited in claim 40 wherein said  
2 step of applying a second layer includes applying the second layer of unifying material  
3 to the at least one of the exterior surface or the interior surface so as to cover the patch  
4 in its entirety.

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